



DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS
WASHINGTON, DC 20361-0001

IN REPLY REFER TO

NAVAIRINST 5400.123
AIR-1002
13 Nov 87

NAVAIR INSTRUCTION 5400.123

From: Commander, Naval Air Systems Command
To: Deputy Commander, NAVAIR Acquisition Executive and Deputy Commander for Operations, Assistant Commanders, Comptroller, Command Special Assistants, Program Directors, Designated Program Managers, Program Coordinators, Directorate Directors, and Office and Division Directors

Subj: DESIGNATION OF BIGEYE (BLU-80/B) BINARY CHEMICAL WEAPON SYSTEM PROGRAM (PMA279)

Ref: (a) NAVAIRINST 5400.1B
(b) NAVAIRINST 5400.108
(c) NAVAIRINST 5400.14C
(d) SECNAVINST 5000.1B
(e) SECNAVINST 5000.33B
(f) NAVAIRINST 1611.1G

Encl: (1) Charter for the Joint BIGEYE (BLU-80/B) Binary Chemical Weapon System Program Manager (PMA279)

1. Purpose. To

a. continue the BIGEYE (BLU-80/B) Binary Chemical Weapon System as a designated program under the direction of the Commander, Naval Air Systems Command (COMNAVAIR);

b. assign the program manager (PM); and

c. issue a joint charter which provides the program's scope, operating relationships, organization and resources, and which delineates the authority and responsibility of the PM.

2. Cancellation. NAVAIR Notice 5400 of 18 March 1986 is canceled.

3. Background

a. The PM for BIGEYE accomplishes the planning, programming, coordinating, directing, and controlling functions required to discharge command responsibilities for design, development, integration, testing, production, and support for all system hardware and peculiar ancillary equipment.

b. During February 1986, the Office of the Secretary of Defense requested the BIGEYE Program be managed by a full-time PM. This request was approved by the Office of the Assistant Secretary of the Navy (Research, Engineering and Systems) by memorandum of 3 March 1986.

c. By NAVAIRNOTE 5400 of 18 March 1986, program management responsibilities for the BIGEYE Program were transferred from the Conventional Air Launched Ordnance and Ammunition Systems Program Coordination Office (APC201) to a newly established BIGEYE Program Office (PMA279).

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NAVAIRINST 5400.
13 Nov 87

d. BIGEYE continues as a joint program between the U.S. Air Force and U.S. Navy, with the Navy as executive service.

4. Action. Effective 3 March 1986, the following was enacted:

a. CAPT Richard A. Marsden, USN, was designated PM for the BIGEYE System Program to organize and execute the program under the authority and direction provided by enclosure (1). The PM receives his authority from and is responsible and accountable to COMNAVAIR for the discharge of the latter's responsibilities for management of the BIGEYE Program. The PM reports to COMNAVAIR via the Program Director Air for Weapons Programs (PDA11). PDA11 provides supervisory oversight, monitors and evaluates the ongoing performance of the BIGEYE Program throughout its life cycle, makes recommendations as appropriate, and advises COMNAVAIR of program status and progress.

b. The NAVAIR Acquisition Executive and Deputy Commander for Operations (AIR-01), as the acquisition executive reporting to COMNAVAIR, is responsible for developing, interpreting, and issuing acquisition policy and requirements. AIR-01 is also responsible for providing a variety of staff support for the PM, and in conjunction with PDA11, provides coordination and advisory assistance to the PM in ensuring compliance with Naval Air Systems Command Headquarters (NAVAIRHQ) acquisition management policies, practices, and compatibility with the program's goals and objectives as determined by COMNAVAIR and higher authority. In order for AIR-01 to perform as acquisition executive and provide program support duties, the PM and PDA11 will keep AIR-01 informed on program status.

c. The functional organizations of NAVAIRHQ will support the PM as specified in references (a) through (d), enclosure (1), and other directives that may be issued by higher authority. References (e) and (f), which establishes other requirements and responsibilities, are addressed in enclosure (1).

5. Approval. The charter (enclosure (1)) is hereby approved.


J. B. WILKINSON

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13 Nov 87

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SNDL: 26F (COMOPTEVFOR); A3 (OP-020, OP-040, OP-050, OP-098); A6; C84B (Morgantown (1 copy)); FF8 (Washington); FJA1; FJ18; FKA1 (less FKA1A); FKA1A (AIR-71532 (10 copies), AIR-71541A (40 copies), AIR-712 (5 copies), AIR-7122, AIR-1001, AIR-1002 (5 copies), PDA11, APC201, PMA279 (5 copies)); FKA1B; FKA1C; FKR

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Commander, Armament Division, Eglin AFB, FL 32542

Commander, Ogden Air Logistics Center, Hill AFB, UT 84056

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13 Nov 87

CHARTER FOR THE JOINT BIGEYE (BLU-80/B)
BINARY CHEMICAL WEAPON SYSTEM PROGRAM MANAGER (PMA279)

Ref: (a) NAVAIRINST 5400.1B
(b) NAVAIRINST 5400.108
(c) NAVAIRINST 5400.14C
(d) SECNAVINST 5000.1B
(e) SECNAVINST 5000.33B
(f) NAVAIRINST 1611.1G

1. Introduction

a. Purpose. This charter establishes the authority and responsibility of the program manager (PM) for the Joint BIGEYE (BLU-80/B) Binary Chemical Weapon System Program and outlines the program scope, operating relationships, organization, and resources.

b. References. This program will be conducted following management principles identified in references (a) through (f), as applicable, and such other directives as may be issued by higher authority.

2. System Description

a. Management. The BIGEYE Program is a Joint Service development effort of the U.S. Navy and U.S. Air Force. The Navy is the executive service; the Air Force is the participating service. The U.S. Army is responsible for development of the binary chemicals involved with the BIGEYE weapon.

b. Operational Mission. The primary operational mission of BIGEYE is to deter potential adversaries from using lethal chemical weapons against the U.S. and allied forces. The capability to employ BIGEYE will provide a credible and effective retaliatory capability and thereby reduce an enemy's incentives to use lethal chemical weapons. The BIGEYE binary weapon generates persistent nerve agent VX, and therefore, can be safely employed to provide a rapid retaliatory response capability where long duration contamination is desired.

c. System

(1) Key Functions. BIGEYE is a binary weapon based on a design philosophy of maintaining physical isolation of nonlethal, nonreactive components until such time as a weapon is employed in its intended role. Separated, the chemical components of BIGEYE minimize operational hazards in transportation, handling, or storage. Only when the components (QL and NE) are mated in a predetermined manner can the desired lethal effects be achieved. The BIGEYE weapon consists of two major assemblies: the bomb body (BLU-80/B) containing the liquid component, and the ballonet (MXU-695/B) which houses the solid component. Mixing the two components and disseminating the resultant VX is the operational function of the BIGEYE weapon.

(2) Unique Characteristics. The design of the BIGEYE weapon system eliminates many of the hazards and special precautions associated with unitary chemical weapons. The ability to store the chemical components separately prevents inadvertent agent generation. The weapons can be assembled rapidly

Encl (1)

5 2529

and loaded onto the aircraft without the use of special tools, clothing or handling equipment. The weapon requires no modification to aircraft hardware and is compatible with existing bomb racks. During delivery, the mixing sequence is automatically initiated after separation from the aircraft. The combining of chemical components after weapon release is referred to as "off-station mixing." A proximity fuze triggers the dissemination process at a predetermined altitude. Feasible delivery maneuvers in a given operational scenario will be determined by the time of flight required between weapon release and dissemination to permit adequate agent formation in the bomb. The time required is a function of the temperature of the binary chemical components at the commencement of mixing.

3. Scope of the Program

a. The scope of the BIGEYE System Program consists of the definition, development, test and evaluation, acquisition, initial support, and readiness improvement of the weapon system. This includes subsystems and components, spares, repair parts, peculiar and common support equipment, weapon system trainers and flight simulators, naval air maintenance trainers, and all supporting technical documentation.

b. The Program Element (PE) listed in the current Congressional Budget is 64604, Navy. Additional PE funds to be controlled by the PM may be identified.

c. The PM will notify the participating service of any indication of a potential or actual cost growth as soon as possible after learning of the cost growth.

d. This is an acquisition category III program.

4. Authorities and Responsibilities

a. The primary mission of the PM is to act as the Naval Air Systems Command (NAVAIR) executive agent to provide all coordinated program actions required to complete the development, test, evaluation, acquisition, initial production, and support to satisfy technical, fleet and logistics requirements, and to transition the program to the Single Manager for Conventional Ammunition. Also, the PM's mission is to satisfy approved operational requirements by providing the operating forces of the Navy and Air Force with a fully developed, reliable, and supportable BIGEYE system.

b. The PM is the single central executive responsible for successfully managing the program and accomplishing the objectives stated in this charter. Broad directive authority is granted, within the scope of the program to plan, direct, control, and use resources not only of the approved program, but also program related in-house and contractor organizations, including assignment of responsibility, as appropriate, to the various NAVAIR functional organizational elements within the overall framework outlined in references (a) through (d). As the responsible executive, the PM is expected to act independently on matters affecting the program. In those cases where action is required beyond

the authority granted in this charter, the PM will refer the action to higher authority with recommendations, including alternatives available. Detailed responsibilities of the PM are outlined in reference (d).

c. The PM will monitor, review and approve waivers, deviations, engineering change proposals and value engineering change proposals following reference (e). This responsibility will be issued by having the PM or a designated representative serve, when assigned, in a co-chairman capacity on the Ordnance Configuration Control Board (OCCB) when the OCCB is convened to consider any change which may impact the BIGEYE system.

d. The PM will issue project directives to functional organizations, who will issue task orders and work unit assignments to field activities for the accomplishment of program support. Changes to scope, schedules, and cost of support will be subject to review and approval by the PM.

e. The PM is authorized to prepare and sign fitness reports, following reference (f), for all military personnel (Commander and below) assigned full-time to the program office and to execute performance evaluations applicable for civilian personnel assigned full time to that office. The PM may submit, at his discretion, concurrent fitness reports on other officers junior to him and concurrent evaluations on Navy civilian employees working for him in functional management and field activities under the authority of this charter.

5. Limitation of Authority. Limitations of the PM's delegated authority are as follows:

a. The PM does not have the authority to deviate from established policy.

b. Communication, action or inaction, in any form which contractors may interpret as directional, will be conducted through an appropriately assigned contracting officer.

6. Relationships to Chartering Authority. The PM receives his authority from and is ultimately accountable to the Commander, Naval Air Systems Command (COMNAVAIR) for discharge of the latter's responsibility for the management of the BIGEYE Program. The PM reports directly to the Program Director Air for Weapons Programs (PDA11). PDA11 provides supervisory oversight, monitors and evaluates the ongoing performance of the BIGEYE Program throughout its life cycle, makes recommendations as appropriate, and advises COMNAVAIR of program status and progress. Matters requiring COMNAVAIR's attention will first be coordinated with PDA11 who will, if possible, accompany the PM to see COMNAVAIR. When PDA11 is unavailable and urgency dictates immediate communication with COMNAVAIR, the PM will brief PDA11 as soon as possible.

7. Specific Interface and Operating Relationships. The PM will accomplish the following:

a. Coordinate appropriate interface segments of the program with other PM's, coordinators, systems commands (SYSCOM's), and the U.S. Air Force to

13 Nov 87

ensure a totally coordinated effort and to ensure weapon system integration by establishing and issuing design interface specifications. Unresolved interface problems will be referred directly to PDA11.

b. Serve as the command liaison with the U.S. Air Force, Armament Division, Deputy for Munitions, Eglin Air Force Base, FL, to ensure that the program is pursued consistent with the guidance of the "Joint Development Plan, BIGEYE, Binary Chemical Weapon," July 1982.

c. Serve as the command liaison officer with the U.S. Army Armament Munitions and Chemical Command for production and transition planning to the Single Manager for Conventional Ammunition for Programs under PMA279 cognizance.

d. Maintain active liaison with the cognizant program coordinators and program element monitors in the Office of the Chief of Naval Operations (OPNAV), Chief of Staff, U.S. Air Force, and the Secretary of the Air Force (SAF)/AQP. The PM will keep the foregoing personnel fully informed of the status and progress of the program through formal and informal communications.

e. Review operational requirements, including inventory objectives established by higher authority for the program, to ensure timeliness, accuracy, consistency, and compatibility with program plans and funding availability. When the PM cannot resolve inconsistent or incompatible requirements and objectives, the PM will submit the problems and recommendations, in writing, to PDA11 and appropriate higher authority for resolution.

f. Establish appropriate requirements for and monitor the acquisition of special or additional facilities necessary to support test and evaluation, installation, operation, and maintenance of BIGEYE systems and peculiar ancillary equipment.

g. Maintain liaison with cognizant personnel at NAVAIR, Army and Air Force Test activities during developmental test and evaluation and operational evaluation and use. The PM will maintain active liaison with cognizant personnel in OPNAV, Department of the Army, SAF/AQP, the Operational Test and Evaluation Force, and the Air Force Operational Test and Evaluation Center for evaluation of the weapons system.

8. Program Staffing and Organization. The program office (PMA279) will be organized by and will function under the direction of the PM. The organization and initial staffing levels are shown in appendix A of this instruction.

9. Participating Organizations

a. Other key manpower resources are listed in appendix B of this instruction. All elements of the Naval Air Systems Command Headquarters (NAVAIRHQ) will support the PM following responsibilities in references (a) through (d). The PM is authorized direct liaison with all NAVAIRHQ divisions and directorates in fulfilling responsibilities. When disagreement occurs, actions directed by the PM will be continued or instituted until resolution.

b. SYSCOM's will support the PM per assigned material support responsibilities.

c. Field activities participating in the program are listed in appendix C of this instruction. Other activities may be added as required. The PM is authorized direct liaison with all NAVAIRHQ field activities concerned with the program. Formal work assignments to NAVAIRHQ activities will be coordinated through the appropriate functional organization in NAVAIRHQ. Work assignments to activities not under NAVAIR control will be developed with cognizant headquarters' organizations following established procedures.

10. Congressional and Public Information. COMNAVAIR is responsible for coordinating and disseminating public information on the program within the Department of the Navy, to legislative bodies, to industry, and to the general public. This responsibility has been delegated to the NAVAIRHQ Legislative and Public Affairs Office (AIR-07D).

11. Resources Assessment

a. The PM will evaluate and document the effect of the proposals to increase and decrease the resources authorized to execute the program and will determine the effect of proposed changes on approved cost, schedules, procurement plan, and performance objectives. The PM's evaluation will be considered by officials having final decision authority during programming, reprogramming, and budgeting deliberations.


b. The PM will inform OPNAV through channels, of any instance, when program requirements cannot be met within available resources and time.

12. Program Transition and Disestablishment. This program will be reviewed periodically to determine if it has accomplished its objectives. If the review indicates the objectives have been or are about to be accomplished, the PM will develop a transition plan to ensure a smooth disposition of remaining resources, responsibilities, and functions.

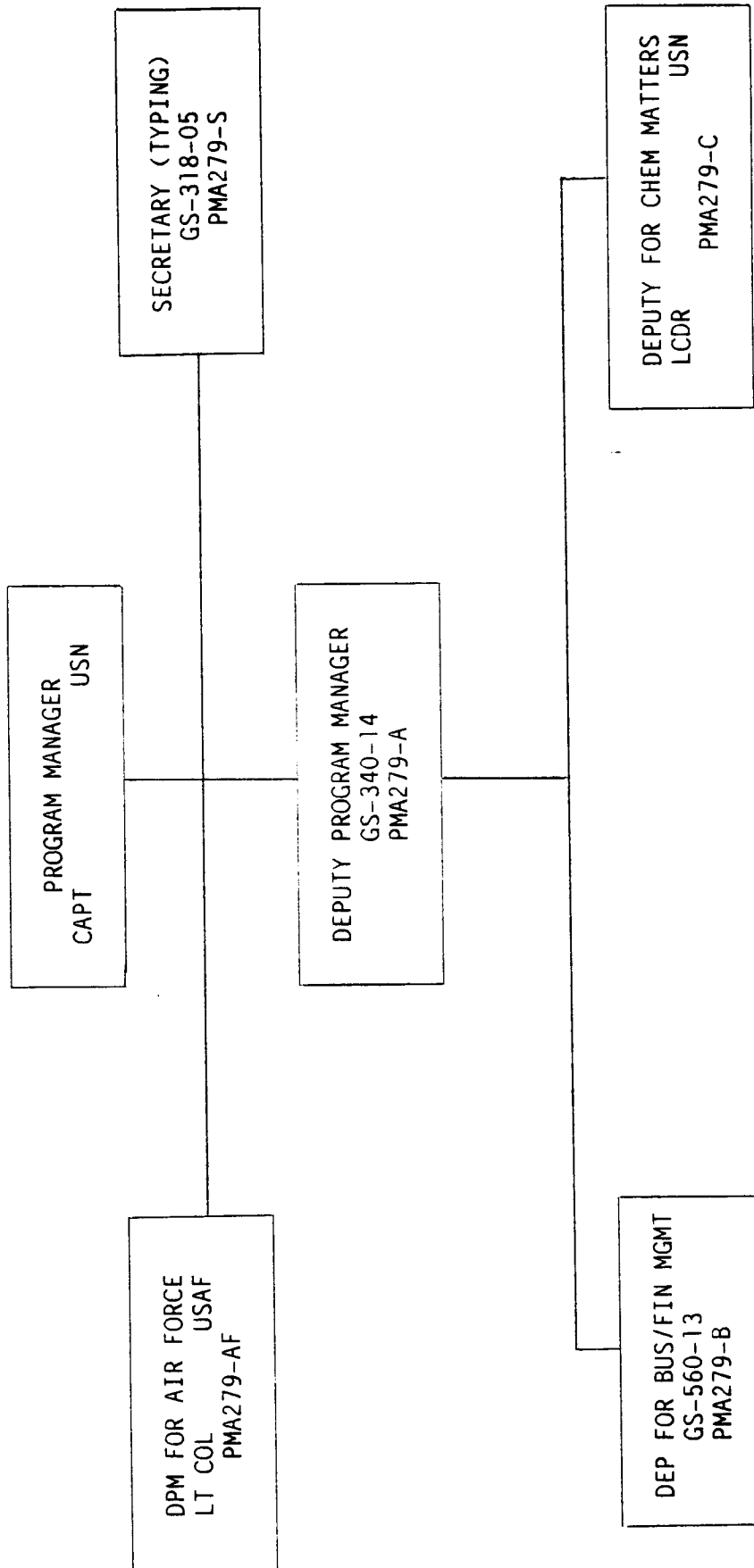
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PROGRAM MANAGER FOR BIGEYE
PMA279



OTHER KEY MANPOWER RESOURCES

ASSISTANT PROGRAM MANAGERS AND PROGRAM SUPPORT OFFICERS

<u>Title and Subject</u>	<u>Code</u>
Contracts	AIR-216
Assistant Program Manager, Logistics	AIR-418
Assistant Program Manager, Weapons Engineering	AIR-540
Survivability and Vulnerability	AIR-516
Assistant Program Manager for Test and Evaluation	AIR-120
Research, Development, Test and Evaluation Budget	AIR-803

ACTIVITIES PARTICIPATING IN THE PROGRAM

<u>Activity</u>	<u>Location</u>	<u>Example of Work</u>
Naval Air Test Center	Patuxent River, MD	Test and evaluation
Naval Weapons Center	China Lake, CA	BIGEYE system development, test and evaluation
Naval Surface Warfare Center	Dahlgren, VA	In-service chemical equipment, test and evaluation, and production
Operational Test and Evaluation Force	Norfolk, VA	Operational test and evaluation
Naval Aviation Depot Operations Center	Patuxent River, MD	Logistics management
Naval Air Technical Training Center	Millington, TN	Maintenance training and training equipment
Naval Air Engineering Center	Lakehurst, NJ	Support equipment
Naval Supply Systems Command	Washington, DC	Logistics management support
Navy Aviation Supply Office	Philadelphia, PA	Spares, spare parts, and support equipment
Naval Air Technical Services	Philadelphia, PA	Publications technical data
Naval Weapons Engineering Support Activity	Washington, DC	Armament system production, and quality assurance
Naval Aviation Engineering Service Unit	Philadelphia, PA	Engineering technical services
Naval Training Equipment Center	Orlando, FL	Training devices, trainers
Pacific Missile Test Center	Point Mugu, CA	Production support
Naval Ordnance Station	Indian Head, MD	Cartridges cognizant field activity

ACTIVITIES PARTICIPATING IN THE PROGRAM (Con)

<u>Activity</u>	<u>Location</u>	<u>Example of Work</u>
Navy Ships Parts Control Center	Mechanicsburg, PA	Inventory control point
Chemical Research and Development Center (ARMY)	Aberdeen, MD	Chemical development, test and evaluation
Armament Division	Eglin AFB, FL	Air Force Deputy Program Manager
Naval Weapons Evaluation Facility	Kirtland AFB, Albuquerque, NM	Weapon/stores loading publications